## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(	See Inst	ructi	ions on Reve	erse Side	)						
Op	en Flo	W				Tool Date					Abi	No. 15					
Deliverabilty				4-3-	Test Date: 4-3-/4					. API No. 15 15-071-20083 - <b>D000</b>							
Company Horses		Оре	erating, In	ic.		/ <u></u> _	/_/_		Lease Fecht		-,			B-1	Well Nu	mber	
County Greeley	 Y	Locatio				Section 10			TWP 19S		RNG (E/W) 40W			,		Attributed	
Field Bradshaw				-	Reservoir U. Winfield							nering Conn idstream					
Completic 3/16/75		e			<u></u>	Plug Bac 2915	Plug Back Total Depth 2915			n 		Packer Set at None				_	
Casing Size			Weight 10.5			Internal Diameter 4.052			Set at <b>2941</b>		Perforations 2866			To 2883			
ubing Si 2. <b>375</b>	ze	•	Weig 4.7	ht	Interna 1.99		nal Diameter 95		Set at 2909		Perfor		То		_		
Type Completion (Describe) Single Gas					_	Type Flui Water	Type Fluid Production Water					Pump Unit or Traveling Plunger? Yes				es / No	
roducing <b>unulus</b>		(Anr	ulus / Tubii	ng)		% C	arbon D	ioxid	le		% Nitroge	en .		Gas Gr	avity - (	3,	
ertical D	epth(F	l)					Ъ	ress	ure Taps					(Meter	Run) (Pi	rover) Size	
2950 Pressure		n: !	 Shut in	4	-2 2	14,	8:00	0.,	FAMIL (PM) 1	aken	4-3	B 20	/4 <sub>at</sub>	8	'00 A	AM (PM)	
Vell on Li								•				20			•		
				•			OBSE	VΕ	SURFACE	DATA		_	Duratio	n of Shut-	in 🔏	4 Hours	
Static / ynamic roperty	Orifice Size (inches)		Citale one:  Meter  Prover Pressure  pslg (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t		Casting Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> )  psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	.625								81		paig			24			
Flow																İ	
							FLOW S	STRI	EAM ATTRIE	BUTES							
Plate Coeffictient (F <sub>p</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psla		Press Extension P <sub>m</sub> x h		Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>II</sub>		Fa	Deviation Metere Factor F F <sub>ev</sub> (Me		(Cubic Fe			Flowing Fluid Gravity G <sub>m</sub>	
_	\			1						· .							
'ç)² =		· _;	(P <sub>w</sub> )2:	<u>-</u>	:	(OPEN FLO	OW) (DE	LIVE	RABILITY)	CALCUL - 14.4) +		, :		(Pa) (Pd)	)² = 0.2 )² =	07	
(P <sub>c</sub> ) <sup>2</sup> - (P or (P <sub>c</sub> ) <sup>2</sup> - (P		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:		Backpressure Cur Slope = "n" or  Assigned Standard Slope		gned st===	n x LOG		An	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
	_						7	_							<del> </del>		
pen Flov	L v			_	Mcfd @ 14.6	] 35 psia			Deliverabil	ity			Mcfd @	14.65 ps	ia	J	
		-	-		ehalf of the (	, ,			-	horized (	day of	e above repo	ort and t	hat he ha	as know	ledge of 14,	
			Witness	(if any	<u>,                                      </u>	<u> </u>		_			AA	rice 1	Company	lle	RECE	EIVED	
											<u> </u>		K	ansasco		TION COMMIS	
			For Com	nisslo	n			_	_			Che	cked by				

	Cast C-
	leclare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques at status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
-	at the foregoing pressure information and statements contained on this application form are true and
	t to the best of my knowledge and belief based upon available production summaries and lease records
	pment installation and/or upon type of completion or upon use being made of the gas well herein named
•	ereby request a one-year exemption from open flow testing for the Fecht 1-B
	oll on the grounds that said well:
9	
	(Check one)
	is a coalbed methane producer
	is cycled on plunger lift due to water
	is a source of natural gas for injection into an oil reservoir undergoing ER
	is on vacuum at the present time; KCC approval Docket No
	is not capable of producing at a daily rate in excess of 250 mcf/D
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commiss necessary to corroborate this claim for exemption from testing.
Date:	8-4-14
	signature: Janice Ripley  Title: Production Assistant
	Title.

## Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under OBSERVED SURFACE DATA. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption IS denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.